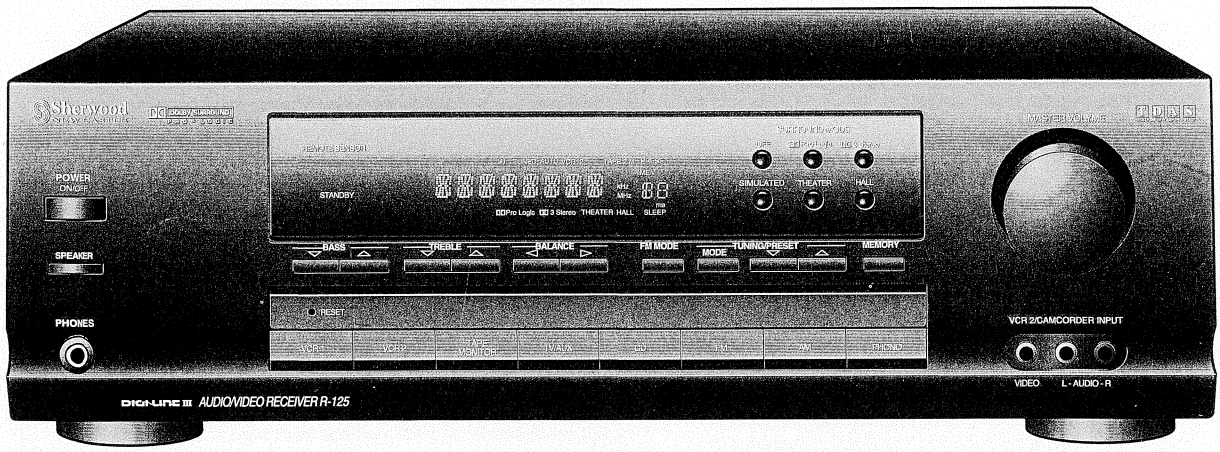
OPERATINGINSTRUCTIONS

BEDIEUGSANLEITUNG / ISTRUZIONI PER L'USO / INSTRUCCIONES DE MANEJO

Sherwood
NEWCASTLE



R-125RDS

AUDIO/VIDEO RECEIVER

CE

ENGLISH

UNPACKING AND INSTALLATION

Congratulations on Your Purchase!

Your new high fidelity Receiver is designed to deliver maximum enjoyrnent and years of trouble free service.
Please take a few moments to read this manual thoroughly. It will explain the features and operation of your unit and help ensure a trouble free installation.
Please unpack your unit carefully. We recommend that you save the carton and packing material. They will be helpful if you ever need to move your unit and may be required if you ever need to return it for service. Your unit is designed to be placed in a horizontal position and it is important to allow at least two inches of space behind your unit for adequate ventilation and cabling convenience.
To avoid a damage, never place the unit near radiators, in front of heating vents, in direct sunlight, or in excessively humid or dusty locations. Connect your complementary components as illustrated in the following section.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

Caution : Do not block ventilation openings or stack other equipment on the top.

FOR U.S.A.

■**Note to CATV System Installer:** This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

■**FCC INFORMATION**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

READ THIS BEFORE OPERATING YOUR UNIT

FOR U.S.A. AND CANADA ..... 120 V

FOR YOUR SAFETY

Units shipped to the U.S.A. and Canada are designed for operation on 120 V AC only.

Safety precaution with use of a polarized AC plug.
However, some products may be supplied with a nonpolarized plug.

CAUTION : *To prevent electric shock, match wide blade of plug to wide slot, fully insert.*

ATTENTION : *Pour eviter les choc electriques, introduire la lame la plug large de la borne correspondante de la prise et poussre jusqu'au fond.*

FOR AUSTRALIA AND EUROPE ..... 220 V/230 V/240 V

FOR YOUR SAFETY

Units shipped to Australia are designed for operation on 240 V AC only.
To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.
Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth.
Improper extension cords are a major cause of fatalities. The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.
PAN-EUROPEAN UNIFIED VOLTAGE
All units are suitable for use on supplies 220-240 V AC.

FOR OTHER COUNTRIES ..... 120 V/220 V

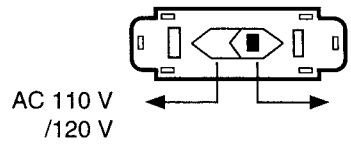
FOR YOUR SAFETY

Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC VOLTAGE SELECTION

This unit operates on 110-220 V AC. The AC voltage selector switch on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

AC voltage selector switch



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Please make the following connections (where applicable).

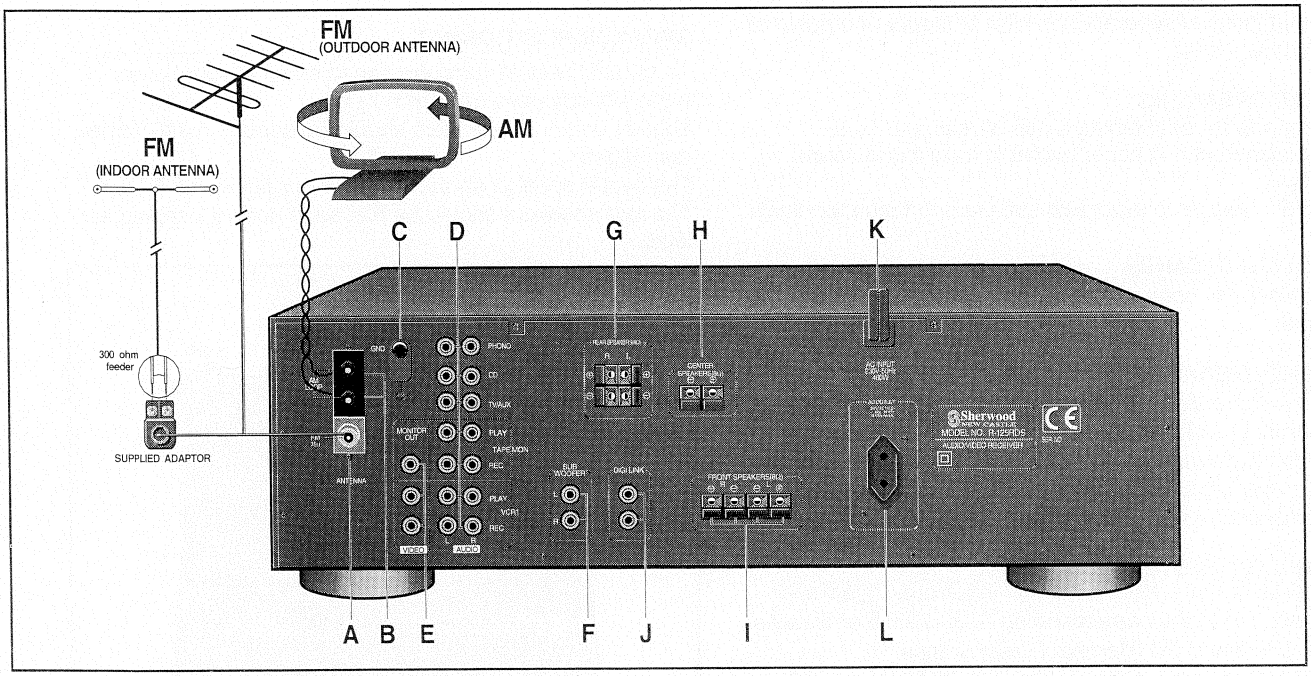
NOTES!

- **SWITCH OFF THE RECEIVER BEFORE MAKING ANY CONNECTIONS.**
- Do not connect the receiver to the AC outlet when making connections.
- Be sure to connect the white plugs to the L (left) and the red plugs to the R (right) jacks when making connections.

Important note for connecting equipment that does not have IN/OUT markings on the input and output jacks:

R-125RDS Device to be connected e.g. cassette deck.

PLAY → PLAY or OUT
REC → REC or IN



CONNECTIONS

A. FM INDOOR ANTENNA

Connect the supplied antenna to the FM antenna terminals, as shown.
Change the position of the antenna until you get the best reception of your favorite FM stations.

FM OUTDOOR ANTENNA

A 75Ω outdoor FM antenna may be used to further improve the sound quality of the reception.
Disconnect the indoor antenna before replacing it with the outdoor one.

B. AM LOOP ANTENNA

Tune in your favorite AM station and position the loop antenna for best reception. Try other stations and find the position that gives best overall reception. When this unit is mounted in a rack or placed on a shelf with insufficient space behind, hang it on a wall in the direction which gives best reception.

C. SYSTEM GROUND TERMINAL

When using a turntable, connect the ground lead from your turntable to this terminal.

D. AUDIO IN/OUT

- **PHONO IN** – input jacks for connecting a turntable.
  - Connect these jacks to the OUTPUT jacks of the turntable with MM(Moving Magnet) type cartridge.
- **CD IN** – input jacks for connecting a Compact Disc player.
  - Connect these jacks to the OUTPUT jacks of the CD player.
- **TV/AUX IN** – input jacks for connecting the sound channel of a TV set or any other source you want to hear; an additional CD player, a cassette deck, a VCR or a turntable with ceramic cartridge, etc.
- **TAPE MON PLAY/REC** – input and output jacks for connecting a cassette deck, a Digital Compact Cassette deck or another digital recording device.
  - Connect the PLAY jacks to the LINE OUTPUT jacks of the deck.

  These jacks may also be connected to the LINE OUTPUT jacks of an audio processor such as an optional graphic equalizer or a Digital Signal Processor.
  - Connect the REC jacks to the LINE INPUT jacks of the deck.

    These jacks may also be connected to the LINE INPUT jacks of an audio processor such as an optional graphic equalizer or a Digital Signal Processor.
- **VCR 1 PLAY/REC** – input jacks for connecting the sound channel of a video recorder and output jacks for extra sound recording equipment (e.g. a HiFi stereo video recorder or tape deck).
  - Connect the PLAY jacks to the OUTPUT jacks of the VCR.
  - Connect the REC jacks to the INPUT jacks of the VCR.

E. VIDEO IN/OUT
- **VCR 1 IN/OUT** – input and output jacks for connecting the video output and input of a video recorder
- **MONITOR OUT** – output jack for connecting to the video input of a TV set. The TV set must then be swiched to that input.

F. SUBWOOFER – Output jacks for connecting a separate amplifier.
- Connect SUBWOOFER output jacks to SUBWOOFER input jacks of separate amplifier or inputs of a powered SUBWOOFER.

G. REAR SPEAKERS
Terminals for connecting a pair of rear speakers, impedance of 4 Ω each, to obtain a surround sound effect.
NOTE : Always connect ***two*** speakers to these terminals.

H. CENTER SPEAKER
Terminals for connecting a center speaker, impedance 8 ohms.

I. FRONT SPEAKERS
Terminals for connecting a pair of speakers, impedance 8 ohms (L = left, R = right).
- One of the wires of a loudspeaker cable is marked with a colour or rib. Connect the marked wire to the red terminal, the non-marked wire to the black one.

J. DIGI LINK III SYSTEM CONTROL
(colored green) – remote-control input/output jacks for connection to the corresponding DIGI LINK II or III jacks of a Sherwood CD (Compact Disc) or tape player. Connect this jack to the DIGI LINK III jack of the external equipment that uses the DIGI LINK II or III remote control system.

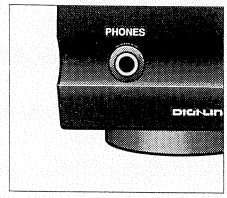
These jacks have been added to maintain compatibility with other Sherwood products.

POWER

K. POWER LEAD
Connecting the receiver to the AC power outlet.

L. OUTLETS
- Switched output for connecting AC power plugs from various units such as cassette deck, CD player, etc. (Maximum capacity is 100 W).
Power supplied through this outlet is turned on and off by the POWER button of the receiver.

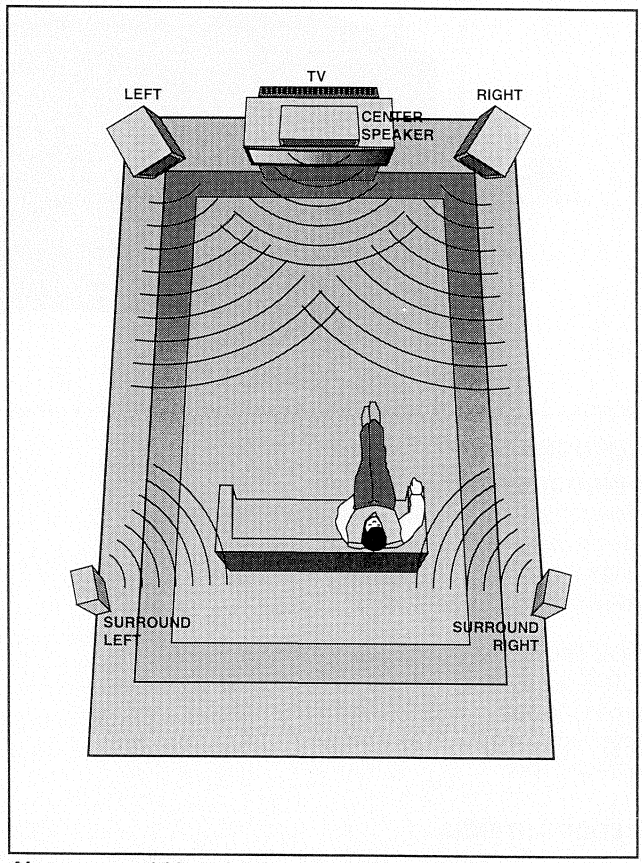
CONNECTING HEADPHONES



- Connect headphones with a 1/4" plug to the PHONES jacks.
- Inserting the plug will not disconnect the loudspeakers.
- Turn the speakers off by pressing the SPEAKER switch once, press again to turn speakers on. Also ensure receiver is not in surround modes.

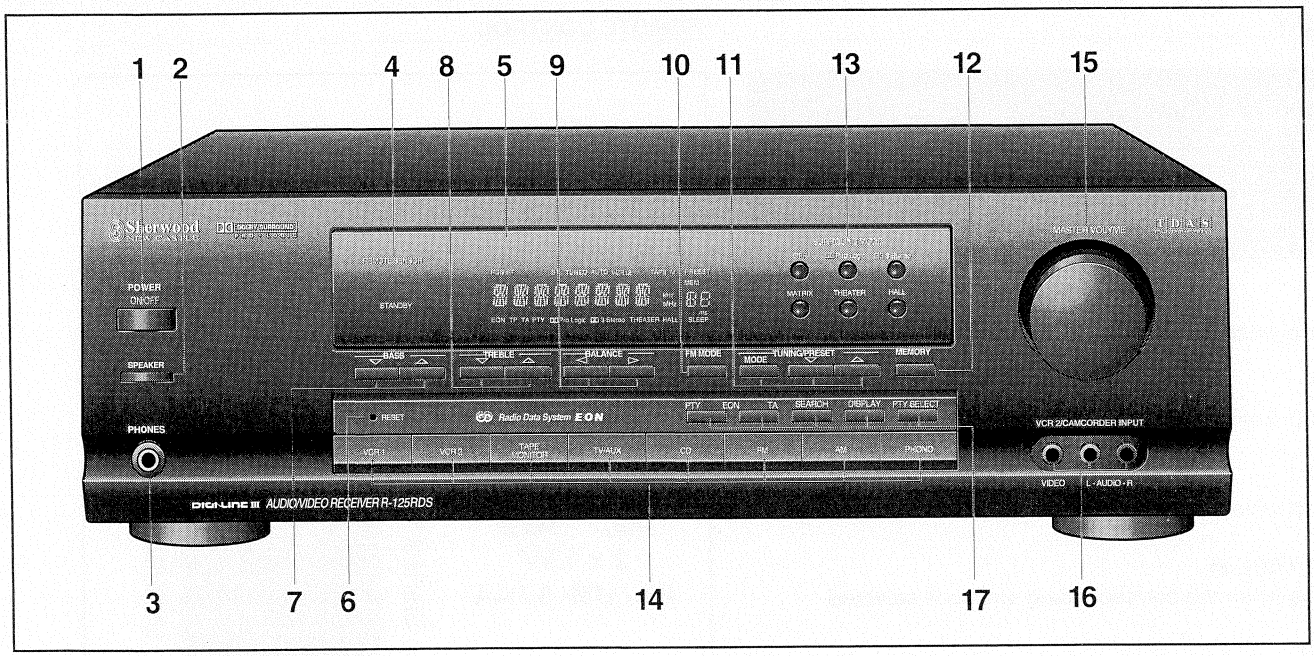
SPEAKER POSITIONING

To obtain the best surround sound effect in your home, place the speakers as shown below.
The left and right speakers should be about 1 m (40") from the TV set.
The center speaker should be above or below the TV set.
The rear speakers should be placed at normal listening ear level.



Note : to avoid interference with the TV picture, use only magnetically shielded speaker systems.

After making all necessary connections (some may not apply to your system set-up), your system is ready for use. In the next chapter, we will describe how to operate your R-125RDS receiver.



FRONT

1.POWER ON/OFF
For switching the unit on and off.

2. SPEAKER
For switching the speakers connected to the FRONT SPEAKERS terminals on and off.

3. PHONES
For connecting headphones.

4.REMOTE SENSOR
Infrared remote control eye for receiving signals from the remote control.

5. FLUORESCENT DISPLAY
Informs you about the function of the receiver.

6.RESET
For resetting the unit in case of malfunction.
- Press RESET for more than 5 seconds after switching off.

7.BASS (▼/▲)
For adjusting the bass tones.

8.TREBLE (▼/▲)
For adjusting the high tones.

9.BALANCE (◀/▶)
For adjusting the balance of the volume between the left and right channels.

10.FM MODE
For selecting STEREO or MONO operation in FM mode.

11.TUNING/PRESET
MODE : – For selecting the frequency or preset mode.
▼/▲ : – For adjusting the station frequency or selecting the next/previous tuner preset.
(use together with the MODE button)

12. MEMORY
For storing preset stations.

13.SURROUND MODE
For selecting the surround mode.
OFF, DD PRO LOGIC, DD 3 STEREO, SIMULATED, THEATER, HALL
Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby", the double-D symbol and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

14.SOURCE SELECTION
For selecting the required audio or video source.

15.MASTER VOLUME
For adjusting the volume.

16.VCR 2/CAMCORDER AUDIO/VIDEO INPUT
Connections for an extra VCR or camcorder.The audio jacks may also be used for an extra audio source like a CD player or cassette deck.

17.RDS CONTROLS
EON PTY : For selecting the desired programme type in the RDS mode.
EON TA : For tuning traffic announcement mode on or off in the TP mode.

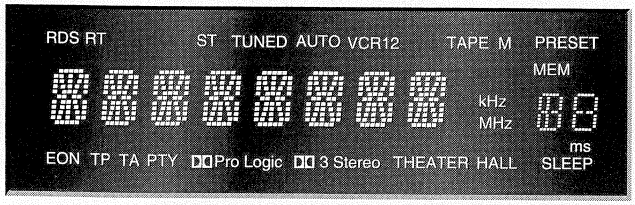
SEARCH : For selecting RDS, PTY or TP search mode.

DISPLAY : For changing the display mode.

PTY SELECT : For selecting the desired programme type.

ENGLISH

DISPLAY



ST
Lights up when a FM stereo transmission is received.

TUNED
Lights up when a FM or AM transmission is received.

AUTO
Lights up when operating auto tuning or auto presetting.

VCR 12 TAPE M
Lights up when the corresponding source is selected.

PRESET
Lights up in the preset mode.

Indicates the selected waveband FM, AM. The frequency of the tuned station is indicated in MHz (for FM) or in kHz (for AM) and also VOL or REAR or CENTER level as indicated.

Indicates the selected PRESET number, SLEEP time (in minutes), DELAY TIME.

MEM
Flashes when the memory has been opened to store a preferred station.

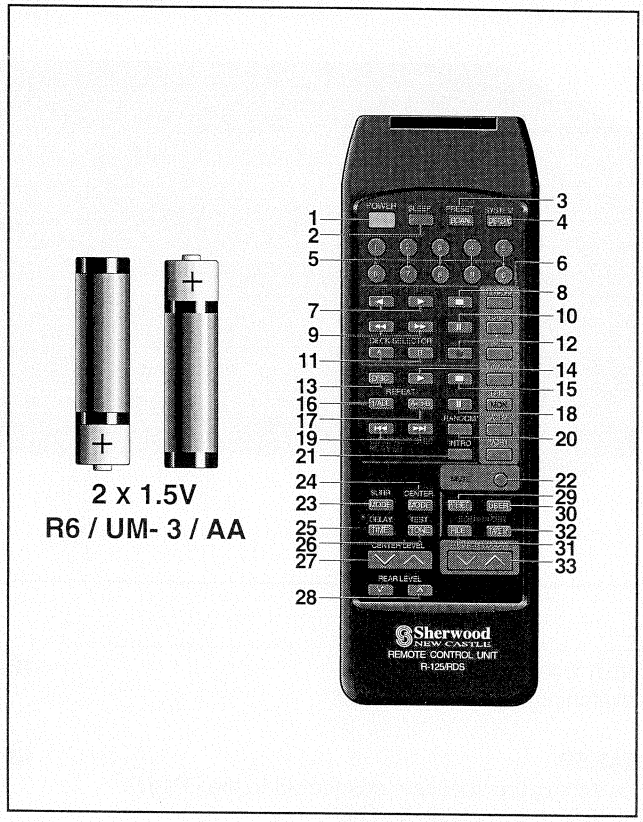
ms
Indicates the Delay time in surround mode.

PRO LOGIC, 3 STEREO, THEATER, HALL
Indicates the selected surround mode.

RDS, RT, EON, TP, TA, PTY
Indicates the selected RDS mode.

SLEEP
Lights up when the sleep timer is active.

REMOTE CONTROL



The remote control (supplied) can be used to operate all units in the system. In addition, it can be used to operate any other equipment that uses the DIGI LINK III remote control system.

BATTERIES

- Open the battery compartment and insert two batteries as indicated, type R6/UM-3/AA-cells.
- Remove the batteries when they have run down or if the remote control will not be used again for a long period.

Note : Do not use rechargeable batteries.

USING THE REMOTE CONTROL

- First press the power switch on the front panel of R-125RDS.
- Select the source you wish to control by pressing one of the seven source select buttons on the remote control (e.g.TAPE, CD, etc.).
- Then, select the desired function.

AMPLIFIER

1. **POWER** – for control power of this receiver or system (as described in amplifier chapter titled "POWER STANDBY/ON")

2. **SLEEP** – for setting a time period after which the system will automatically be switched to standby.

4. **SYSTEM DISPLAY** – for dimming displays of Sherwood components connected by DIGI LINK II or III.

6. **SOURCE SELECTORS**

22. **MUTE** – for decreasing the volume.

SURROUND CONTROLS

23. **SURROUND MODE**
DD PRO LOGIC, DD 3 STEREO, SIMULATED, THEATER, HALL,OFF – for selecting the different surround modes.

24. **CENTER MODE** – for selecting the desired center mode when in Dolby Pro Logic or Dolby 3 Stereo mode.

25. **DELAY TIME** – for adjusting the delay time of the rear channel.

26. **TEST TONE** – for checking the output level of the front, center and rear speakers.

27. **CENTER LEVEL** ∨ / ∧ – for adjusting the center level (only in normal mode or wide mode).

28. **REAR LEVEL** ∨ / ∧ – for adjusting the rear level (in Dolby Pro Logic, Simulated, Theater, Hall mode)

33. **MASTER VOLUME** ∨ /∧ – for adjusting the volume.

TUNER

3. **PRESET SCAN** – for scanning the stations memorized in memory.

5. **0-9 digit buttons** – for selecting the preset stations.

CASSETTE DECK

7. ◀ ▶ – for starting A or B side play.

8. ■ – for stopping recording/play.

9. ◀◀ ▶▶ – for winding the tape.

10. II – for interrupting recording/play.

11. **DECK SELECTOR A, B** – for selecting deck Aor B.

12. ● – for recording.

In the DIGI LINK III remote control system, if pressimg PLAY, etc on CD or Deck, CD or TAPE MONITOR is selected automatically without selecting the source and PLAY, etc. starts.

COMPACT DISC PLAYER

5. **0-9 digit buttons** – for track selection, press required button among 10 buttons on the remote control and for disc selection, select disc No.(1~5) within 2 sec. after pressing the DISC button.

13. **DISC** (CD changer only) – for disc selection.

14. ▶ – to begin play.

15. ■ – to stop recording/play/clearing a program.

16. **REPEAT 1/ALL** – to play a track or all tracks repeatedly.

17. **REPEAT A <> B** – to play a specific passage repeatedly.

18. II – for pausing recording/play.

19. ◀◀ ▶▶ – for searching forward and backward.

20. **RANDOM** – to play tracks randomly.

21. **INTRO** – to preview each track only for 10 seconds.

EQUALIZER

29. **PRESET** – for selecting equalizer pattern.

30. **USER** – for adjusting equalizer pattern as desired.

31. **FILE** – for selecting desired equalizer pattern in the preset or user mode.

32. **TAPE M** – for monitoring the sound of recording or playback of cassette tape.

POWER ON/OFF

• Press the POWER switch to turn the power on.
–The receiver enters the operating mode and the respective indicators lights up.
• To turn the power off, press the POWER switch again.
–The power is cut off and the respective indicators lights off.

POWER STANDBY/ON

• In the operating mode, press the POWER button on the remote control.
– The receiver enters the standby mode, the respective indicators light off and the standby indicator lights up.
In the standby mode, the the receiver is not disconnected from AC mains and a small amount of current is retained to support the memorized contents and operation readiness.
– If the electricity fails or the AC lead is leaved unplugged for more than 2 weeks (power off model), the memorizedcontents are all cleared.
• In the standby mode, press the POWER button on the remote control.
– The power is turned on, the respective indicators light up and the stanby indicator lights off.

System power on/off

• If the POWER switch of the component connected by the DIGI LINK IIorIII is kept pushed and its AC lead is plugged in the SWITCHED OUTLET, each time the receiver becomes the standby or the operating mode, its power is turned off or on.
– Under the same conditions, if its AC lead is not plugged only in the SWITCHED OUTLET, when the receiver becomes the standby mode, only its display is off.

SOUND CONTROL

Volume

• Adjust the sound volume with the MASTER VOLUME control.

Balance

• Press BALANCE.
– *BAL* lights up.
• Adjust the stereo balance between the left and the right channels with the BALANCE (◀ ▶)

Treble

• Press TREBLE.
– *TRBL* lights up, together with the set level.
• Adjust the high tones with the TREBLE (▼▲) control from MIN to MAX.

Bass

• Press BASS.
– BASS lights up, together with the set level.
• Adjust the bass tones with the BASS (▼▲) control from MIN to MAX.

WARNING **:** Extreme settings at high volume may damage your loudspeakers!.

• Use the SURROUND MODE buttons to select the desired sound effect: **DD PRO LOGIC, DD 3 STEREO, SIMULATED, THEATER or HALL**
• Press **MUTE** on the remote control if you want to decrease the volume quickly.
• Press again to return to normal volume level.

SOURCE SELECTION

• Select the desired source on the receiver or the remote control.
– The selected source will appear on the display.
– When the TAPE MONITOR button is set to on so that "TAPE M" indicator lights up, other sources can not be heard from the speakers.
To listen to a source other than TAPE MONITOR, be sure to set the TAPE MONITOR button to off.
Her further detsils, refer to the operating instructions of the component connected.

TAPE MONITOR function

You can connect either a cassette deck or a graphic equalizer to the receivers TAPE MONITOR jacks.
Only when you listen to the component to these jacks, set the TAPE MONITOR button to on.
If you connect a 3-head cassette deck, you can listen to the sound being recorded during recording, not the source sound.
For futher details, refer to the operating instructions of the component connected.

SOURROUND MODE

With the SURROUND MODE button you can select 5 different surround modes: **DD PRO LOGIC, DD 3 STEREO, SIMULATED, THEATER, HALL, OFF.**

DOLBY PRO LOGIC : choose this setting to play back movies and music (especially Laser Discs, video cassettes and TV broadcasts with DOLBY SURROUND sound). Not only does Dolby Pro Logic surround you with sound, it also gives you a clear perception of the position and direction of the sound. Make sure your 'Speaker Positioning' is correct. (see 'INSTALLATION')

With a great number of recently made movies, the sound track is specially encoded with the Dolby Surround mode carrying the **DD DOLBY STEREO** or **DD DOLBY SURROUND** trademark. The front speakers provide the dialogue and the normal stereo effect, while the rear speakers reproduce the surround signals. This position provides excellent results when watching television programs, video software, video discs or video tapes of stereo television broadcasts encoded with Dolby Surround.

DOLBY 3 STEREO : Choose this setting to play back movies and music (especially Laser Discs, video cassettes and TV broadcasts with DOLBY SURROUND sound), when not using the rear speakers. You get a clear perception of the position and direction of the sound.

DOLBY 3 STEREO combines the front and rear signals so that you can enjoy a regenerated sound field, which has comparatively more presence and a more expansive feeling from the three front channels (front left, front right and center speakers) than that of ordinary stereo regeneration.

SIMULATED SURROUND : The "SIMULATED" creates effects of reverberated and reflected sound from the walls and ceiling similar to a concert hall. These soundeffects added to the actual sound from the source make you feel as if you were in a more expanded space.
Choose the SIMULATED SURROUND mode if the source sound signal is mono.

THEATER : Use this when watching a movie sources that have a stereo soundtrack to enjoy the effect of being in a movie theater.

HALL : Hall mode works best for recorded concerts and other music programs. In this mode, the front speakers provide a normal stereo effect while the rear speakers provide a reverberated sound. This reverberation helps to simulate the sound you might hear at a live concert.

OFF : Turns off the center and rear speakers for normal stereo operation.

Note : Dolby Pro Logic, Dolby 3 Stereo, Simulated, Theater, and Hall will not work properly if the signal passes through a graphic equalizer. Please refer to your equalizer operating instructions for guidance on switching off (or defeating) the equalizer.

SURROUND MODE CONTROL

Each surround mode has programmed values for center-mode, center and rear levels and/or for rear channel time delay (as appropriate).
These values will then be kept in the memory until they are changed again.
The various values that can be adapted in the different surround modes are described next:

DOLBY PRO LOGIC :

- Press ◻◻ Pro Logic or use the SURROUND MODE button on the remote control.
- Press the CENTER MODE button on the remote control to select the required center channel mode :
  NORMAL – If the center speaker has a low (20W) rating.
  WIDE – If the center speaker has a high (same as left and right speakers) rating.
  PHANTOM – If no center speaker is installed.
- Use the REAR LEVEL ∨ , ∧ buttons to adjust the rear level (related to the front level).
  – REAR 0 lights up on the display.
  – The level will be indicated on the display : MIN, –12, ··· 0 ··· , +12, MAX.
- Use the DELAY TIME button on the remote control to adjust the delay time of the rear channel.
  – The delay time of the rear channel is changed to 15, 20, 25, 30 mili seconds.
- Use the CENTER LEVEL ∨ , ∧ buttons to adjust the center level.
  – CENTER 0 lights up on the display.
  – The level will be indicated on the display : MIN, –12, ··· 0 ··· , +12, MAX.

DOLBY 3 STEREO

- Press the ◻◻ 3 STEREO or use the SURROUND MODE button on the remote control.
  CENTER MODE : in Dolby 3 Stereo mode you can only select **NORMAL** and **WIDE**, see above.
  REAR LEVEL : adjusting the rear level is not possible in Dolby 3 Stereo mode.
  CENTER LEVEL : use the CENTER LEVEL ∨ , ∧ buttons to adjust the center level as described above.
  DELAY TIME : Adjusting the delay time of the rear channel is not possible in Dolby 3-stereo mode.

SIMULATED, THEATER, HALL

- Press the SIMULATED, THEATER, HALL respectively or use the SURROUND MODE button on the remote control.
- CENTER MODE and CENTER LEVEL are impossible in these modes.
- Use the REAR LEVEL ∨, ∧ buttons to adjust the rear level (equal to the front level)
  – REAR 0 lights up on the display.
  – The level will be indicated on the display : MIN, –12, ··· 0 ···, +12, MAX.
- Use the DELAY TIME button on the remote control to adjust the delay time of the rear channel.
  – The delay time of the rear channel is changed to 05, 10, 15, 20, 25,30 mili seconds.

TEST TONE

Use TEST TONE function on the remote control to obtain the correct balance between the levels of the left, right, center and rear speakers in the DOLBY PRO LOGIC and DOLBY 3 STEREO mode.

DOLBY PRO LOGIC

- Press the TEST TONE button on your remote control.
- You will hear a test tone from the left (*FL*), center (*C*), right (*FR*) and rear (*R*) speakers in turn, in a repeating cycle.
- While sitting in the usual listening position, adjust the level of each speaker until they all sound equally loud. Use the VOLUME control to adjust the speaker levels.
  – The levels will be indicated on the display .
- When you are satisfied with the levels, press the TEST TONE button on your remote control again to turn off the test tone.

DOLBY 3 STEREO

In the Dolby 3 Stereo mode you can adjust only the levels of the left, right and center speakers.

GENERAL

- Select the waveband by pressing the FM or the AM button.
- Tune to a radio station or select a preset number.
  The correct procedure is described in the following chapters.
- While tuning, the audio signal will be muted to eliminate interfering background noises.
  Once a station is found, the audio signal will be set to normal volume again.
- When ST appear on the display, you are receiving an FM stereo transmission.
- A disturbing noise, due to a weak FM stereo signal, can be suppressed by pressing FM MODE.
- ST will disappear on the display and you will hear the FM program in mono.

TUNING

AUTOMATIC TUNING

- Press MODE to switch off PRESET Indicator.
- Press TUNING/PRESET▲ or ▼for more than 1 second.
- AUTO appears on the display. The tuner will now search until a station of sufficient strength has been found. The display shows the tuned frequency.
- If the station found is not the desired one, simply repeat this operation.
- Weak stations are skipped during automatic tuning. They can be tuned manually.

MAMUAL TUNING

Manual tuning is useful when you already know the frequency of the desired transmitter (e.g. from your program guide).

With TUNING/PRESET buttons

- Press MODE to switch off the PRESET mode.
- Briefly press TUNING/PRESET▲ or ▼until the right frequency has been reached

BAND	USA/CANADA	EUROPE/AUSTRALIA
FM	200 KHz	50 KHz
AM	10 KHz	9 KHz

With the digit buttons on the remote control

- Enter the preset number you have already stored in the memory with the digit buttons on the remote control.
- The tuner selects the frequncy of the preset number and the station becomes audible.
- The tuner will return to the previous frequency if other buttons are pressed.

PRESET STATION

You can store 30 preferred stations in the memory of the tuner.This enables you to find your favorite stations quickly and easily.

Programming of preset stations

- Tune either automatically or manually to the frequency to be stored(as described under TUNING)
- If the display shows no preset number, the frequency shown has not yet been stored in the memory.
- Press MEMORY to enter the frequency in memory.
- MEM starts flashing for about 5 seconds and PRESET lights up.
- Select the preset number using TUNING/PRESET▲ or ▼within the time the MEM indication flashes.
- Press MEM again.
- The preset station has now been stored in the memory. A stored frequency is erased from the memory by storing another frequency in its place.

Tuning to preset stations

- Press MODE to switch on the PRESET indicator.
- Select the desired preset number with TUNING/PRESET ▼ or ▲.
- The selected station will be tuned in and the display will show the preset number and the tuned frequency.

LISTENING TO RDS BROADCASTS *(FM only)*

RDS (Radio Data System) is a method for sending information signals together with the transmitter signals. Your tuner is capable of translating these signals and putting the information on the display.
These codes contain information about.

- The Programme service name (PS) : the station name is shown on the display.
- A list of Programme Types (PTY).
- Traffic Programme (TP).
- Traffic Announcement (TA).
- Clock Time (CT).
- Enhanced other Networks (EON).

RDS SEARCH

Use this function to automatically search and receive the stations offering RDS services.

- Press the SEARCH button to turn the RDS SEARCH mode on.
  The "RDS SRCH" is shown on the display.

– Each time this button is pressed, the seach mode changes as follows.

⟶ RDS → PTY → TP → OFF⟶

- Press the TUNING up or down button once to automatically search a station offering RDS services.

– The station name is shown on the display.

- If the station found is not the desired one, press TUNING up or down again during blinking "RDS".
- If no other RDS station is found, "NO RDS" is displayed.

PTY SEARCH

Use this funtion to automatically search and receive the stations broadcasting the desired programme type.

- In FM mode press the SEARCH button to turn PTY SEARCH mode on
  "PTY SRCH" is shown on the display.
- Press the PTY SELECT to select the desired programme type.

– There are 17 different types of programmes which can be chosen. (NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, MOR, LIGHT M, CLASSICS, OTHER M, ALARM, NONE)

- Press TUNING up or down to automatically search a station offering PTY services.

– If no station is found, the display will show NO PROG.

TP SEARCH

Use this function to automatically search and receive the stations broadcasting the traffic programme.

- In FM mode press the SEARCH button to tum TP SEARCH mode on repeatedly.

– The display shows "TP SRCH" on the display.

- Press TUNING up or down to automatically search for stations broadcasting the traffic programme.

– NO TP is displayed if the signal is too weak or there are no broadcasting of the traffic programme.

EON PTY(EON:Enhanced Other Networks information)

Use this function to automatically search and receive the desired programme type while listening to a RDS station.

- In the RDS mode, press EON PTY button.

– Programme type is shown and "PTY" is blinking on the display.

- During blinking "PTY", press the PTY SELECT button to select the desired programme type.

– If one of the preset stations is broadcasting the selected programme type, it will be tuned in while listening to a RDS station.

– If the station stops broadcasting the selected programme type, the radio will find other stations repeatedly.

– If no station is found, the previous RDS station will be tuned in.

- Press the PTY button to cancel the EON PTY mode.

EON TA

Use this function to automatically search and receive the traffic announcement while listening to traffic programme.

- In the TP mode, press EON TA button.

– Traffic programme is shown and "TP" is displayed on the display.

– If the station broadcasting traffic announcement is found, it will be tuned in while listening to traffic programme.

– If the station stops broadcasting traffic anouncement, the radio will find other stations repeatedly.

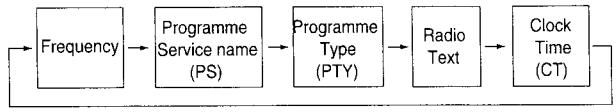
– If no station is found, the previous traffic programme station will be tuned in.

- Press the EON TA button to cancel the EON TA mode.

DISPLAY

- Each time the DISPLAY button is pressed the display mode changes as follows.

– If the signals are too weak or no RDS service is available, "NO NAME", "NO PROG", "NO TEXT" or "NO TIME" is displayed.



SLEEP

The sleep mode allows the system to continue to operate for a specified period of time before automatically shutting off.

- Press the SLEEP button on the remote control.
- The display shows the indication SLEEP 10.
- This means that the system will be switched to standby after 10 minutes.
- Select the required sleep time by pressing SLEEP : 10, 20, 30, 60 or 90 minutes.

Notes:

- During an active sleep timer period, you can reset the sleep time again by pressing the SLEEP button.
- A sleep timer period will be cancelled when you switch your system to standby (using the POWER button on your remote control).

RECORDING WITH A CASSETTE

- Select the desired program source to be recorded.
- Start recording on the cassette deck connected to TAPE MONITOR.
- Start play on the desired program source.
- For tape monitor function, refer to amplifier titled "TAPE MONITOR function".

DUBBING FROM VCR2 TO VCR1

- Select VCR2 as program source to be recorded.
- Start recording on the VCR connected to VCR1.
- Start playback on the VCR connected to VCR2.
- The audio and video signals from VCR2 will be dubbed onto the tape in VCR1.

When dubbing from VCR2 to VCR1, you can replace the audio signal from VCR2 with the signal from an audio source, e.g. a CD player.

- First select VCR2 as program source to be recorded.
- Then select the requeired audio source.
- Start recording on the VCR connected to VCR1.
- Start playing back on the audio alternate source and video on the VCR connected to VCR2.
- You can now watch the picture from VCR2 on your TV and listen to the sound from the audio source while recording.

TECHNICAL SPECIFICATIONS

AMPLIFIER SECTION

- Output power : Continuous Average(left/right) ·····8 ohms, THD 0.7%, 40 Hz~20 kHz, 2×52 W
- Surround mode :
  - front ·····2×35 W
  - rear ·····35 W
  - center ·····35 W
- Total harmonic distortion ·····≤0.5% at 1 kHz
- Intermodulation distortion·····≤0.5%
- Frequency response (1W,-3dB)
  - linear ·····20 Hz~50 kHz
- Signal to Noise Ratio (IHF "A" weighted) ·····≥90 dB
- Stereo separation ·····≥45 dB
- Damping factor ·····≥40 at 8Ω
- Bass/Treble control·····+/-10dB at 100 Hz/10 kHz

INPUT SENSITIVITY

- Linear inputs·····200 mV (rated output)

OUTPUTS

- Recording·····200 mV at 2.5 kΩ
- Headphones ·····8~1,000Ω
- Loudspeakers ·····Front L/R, Center: 8Ω Rear: 4Ω

POWER SUPPLY

- Mains voltage ·····according to typeplate
- Power consumption ·····460 W
- Main outlet ·····100 Wmax.

TUNER SECTION

- Wave range FM ·····87.5~108 MHz
- Sensitivity·····17.2 dBf
- Total harmonic distortion:mono/stereo ·····0.3%/0.5%
- Frequency response ·····20 - 14,000 Hz, +/- 1.5 dB
- S/N ratio : mono/stereo ·····66/65 dB
- Channel sepatation·····40 dB at 1 kHz
- IF suppression ·····120 dB
- Wave range AM ·····522-1,611 kHz
- Sensitivity 20 dB S/N·····1000 µV/m

REMOTE CONTROL SYSTEM

- DIGI LINK III ·····2x

CABINET

- Dimensions (w×h×d) ·····440×125×280 mm approx
- Weight·····7.5 kg approx

ACCESSORIES

- Remote control unit ·····1x
- Battery AA/R6/UM3 ·····2x
- AM Loop Antenna ·····1x
- FM 75Ω Antenna ·····1x
- FM Matching Adaptor ·····1x

Note : Design and specifications subject to change without notice for improvements.

MAINTENANCE

- Do not leave the unit in direct sunlight or other places where high temperatures can occur for any length of time, such as in the vicinity of a heating source.
- Do not expose the equipment to humidity or rain.
- A chamois leather cloth, slightly moistened with water is sufficient for cleaning the cabinet.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.

TROUBLESHOOTING

If a fault occurs, run through the points liisted below before taking your receiver for repair.
If the fault persists, attempt to solve it by ***switching the receiver off and on again.*** If this fails to resolve the situation, consult your dealer. ***Under no circumstances should you repair the receiver yourself as this will invalidate the guarantee!***

PROBLEM

– *POSSIBLE CAUSE*
• REMEDY

NO POWER

– *The AC power lead is disconnected.*
• Connect the lead securely.
– *Poor connection at the wall socket or the wall socket is inactive.*
• Check the wall socket using a lamp or another appliance.

NO SOUND FROM THE FRONT SPEAKERS

– *Speaker cables are disconnected.*
• Check the speaker connections.
– *Volume is too low.*
• Adjust the volume.
– *Front speakers are not switch on.*
• Press the SPEAKER switch to switch on the front speakers.

NO SOUND FROM THE REAR SPEAKERS

– *Surround mode is switched off.*
• Select a surround mode.
– *Volume and rear level are too low.*
• Adjust the volume.
– *A monaural source is used.*
• Select a stereo or surround source.
– *Dolby 3 Stereo mode is selected.*
• Switch off Dolby 3 Stereo mode.

NO SOUND FROM THE CENTER SPEAKERS

– *Dolby Pro Logic or Dolby 3 Stereo mode is not selected.*
• Select Dolby Pro Logic or Dolby 3 Stereo mode.
– *Volume and center level are too low.*
• Adjust the volume and center level.
– *The center mode is set to phantom mode.*
• Set the center mode to normal or wide.

NO SOUND IS HEARD, EVEN WHEN A SOURCE SELECTOR BUTTON IS PRESSED

– *The MUTE button is pressed.*
• Press MUTE again to cancel the MUTE function.
– *Volume is too low.*
• Adjust the volume.
– *Connections between the components are incorrect.*
• Make connections correctly.

THE REMOTE CONTROL UNIT DOES NOT OPERATE

– *No batteries loaded or dead batteries.*
• Replace the batteries.
– *The remote sensor is obstructed.*
• Remove the obstacle.

STATIONS CANNOT BE RECEIVED

– *No antenna connected.*
• Connect an antenna.
– *The desired station frequency is not tuned in.*
• Tune in the desired station frequency.

PRESET STATIONS CANNOT BE RECEIVED

– *An incorrect station frequency has been memorized.*
• Memorize the correct station frequency.
– *The memorized stations are cleared.*
• Memorize the stations again.

POOR FM RECEPTION

– *No antenna connected.*
• Connect an antenna.
– *The antenna is not positioned for the best reception.*
• Change the position of the antenna.

CONTINUOUS HISSING NOISE DURING FM RECEPTION, ESPECIALLY WHEN A STEREO BROADCAST IS RECEIVED

– *Weak signal.*
• Change the position of the antenna.
• Install an outdoor antenna. Use an antenna with 3, 4 or 5 elements if the broadcast station is far away.

CONTINUOUS OR INTERMITTENT HISSING NOISE DURING AM RECEPTION, ESPECIALLY AT NIGHT

– *Noise is caused by motors, fluorescent lamps or lightning, etc.*
• Keep the receiver away from noise sources.
• Install an outdoor AM antenna.

A HUM CAN BE HEARD DURING AM RECEPTION

– *The AC power lead may be too close to the AM loop antenna or the antenna wire.*
• Position the AC power lead away from the antenna wire and the AM loop antenna.
• Adjust the position of the AM loop antenna.

OTHER SYSTEM COMPONENTS DO NOT REACT TO REMOTE CONTROL COMMANDS

– DIGI LINK III *connections are not made properly.*
• Make proper DIGI LINK III connections.